SBR No. 45/22-23
DATED 18/11/2022

Original/Duplicate/Triplicate

EE/ELE/Y/BR No. 45/2223
Dt 18/11/2022

CONTRACT CERTIFICATE

No. 2nd RA BILL (For Other Works) Date.....2010

Division: **Electrical (yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-004-22-000011**

Schedule Docket No. Head of Account : P 0300 M&R to Street lights- Replacement of Burny bulbs etc
D.R.No. : **Period: 01-07-2022 to 30-09-2022 (for 3 months)**

Name of Work : - *Annual Maintenance and repairs of street lights in ward no 04 Package Y-04 of Yelahanka Zone*"

Name of Contractor and Full Address:**M/S. Suraksha Electricals**
Reference to Agreement No:EE/Ele/YZ/AG/000004/2022-23 Date:01/04/2022
Reference to Work order No:EE/Ele/YZ/WO/000004/2022-23 Date:01/04/2022

Certified that the measurements were taken by me on 6/10/22 and recorded of Pages 260145 to 260146 of measurement Book No.2602/22-23 and that the work is satisfactorily executed.

For M/s. Suraksha Electricals
Proprietor

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 6/10/22 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele')
Sub Division Officer
BBMP, Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	2nd RA Bill 991210=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	

IT 1+ 9912=00
LWC 1+ 9912=00
CBT&O 1+ 9911=00
Const 1+ 9912=00
SCST 1+ 9912=00
Scrap 2+ 19824=00
Fine 12900=00
Deduction 73363=00
Total amount adjusted - 917847=00

Calculation

For M/s. Suraksha Electricals
Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

For M/s. Suraksha Electricals
Proprietor

ಶೀರ್ಷಿಕೆ P0300 M and R to St lgt
ರೂ: 991210=00 ಆಡಿಟ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ
ರೂ: 917847=00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ
ರೂ: 73363=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No.	Description of item	Un
	Name of Work :-Annual Maintenance and repairs of street lights in ward no 04 Package Y -04 of Yelahanka Zone	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting	Each
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each
5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems	Each
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		3	Months		Upto Date paid so for 6 Months		
1x3 Months	0	0	57.12	0.00	0	0.00	
1x3 Months	0.00	0	63.02	0.00	0	0.00	
2136x3 Months	544359.60	2136	84.95	544359.60	2136x6 Months	1088719.20	
202x3 Months	56461.02	202	93.17	56461.02	202x6 Months	112922.04	
1x3 Months	0.00	0	73.33	0.00	0	0.00	
98x3 Months	27977.04	98	95.16	27977.04	98x6 Months	55954.08	
1034x3 Months	356109.60	1034	114.80	356109.60	1034x6 Months	712219.20	
163 xMonths	6302.35	16	131.30	6302.35	163 x6 Months	12604.70	

9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour	Nos
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using	Each
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm	Each
14	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Floodlight 240W	Nos
15	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40x40x6mm	Mtr
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board	Nos
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP	Each
	TOTAL	
	Add GST 12 % on item no 10 to 18	
	TOTAL Rs	
	Fine imposed for non burning of street lights For the period of 1/07/2022 to 30/09/2022	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

1x3 Months	0.00	0	155.95	0.00	0	0.00	
0	0.00	0	550.00	0.00	0.00	0.00	
0	0.00	0	770.00	0.00	0.00	0.00	
0	0.00	0	4530.00	0.00	0.00	0.00	
0	0.00	0	2054.00	0.00	0.00	0.00	
0	0.00	0	18400.00	0.00	0.00	0.00	
0.00	0.00	0	255.00	0.00	0.00	0.00	
0.00	0.00	0	7200.00	0.00	0.00	0.00	
0	0.00	0	4030.00	0.00	0.00	0.00	
0	0.00	0	723.00	0.00	0.00	0.00	
	991209.61			**991209.61**		**1982419.22**	
	0.00			0.00		0.00	
	991209.61			**991209.61**		**1982419.22**	
	5200.00			12900.00		18100.00	
	19824.19			19824.19		39648.38	
	966185.42			**958485.42**		**1924670.84**	